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A CATALOG OF THE COLEOPTERA OF AMERICA NORTH OF MEXICO

FAMILY: ITHYCERIDAE

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39 Rhipiceridae.		93 Erotylidae		143 Curculionidae	:1983
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41 Psephenidae .			e1982	145 Fossil Coleop	
42 Brachypsectri		96 Corylophid		146 Ithyceridae	1994
43 Artematopida		97 Coccinellic			
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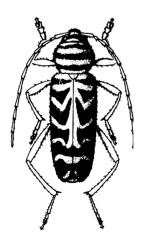
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A CATALOG OF THE COLEOPTERA OF AMERICA NORTH OF MEXICO

FAMILY: ITHYCERIDAE

BY CHARLES W. O'BRIEN DEPARTMENT OF ENTOMOLOGY FLORIDA A & M UNIVERSITY TALLAHASSEE, FL 32307





FOREWORD

Many species of beetles are important pests of agricultural crops, stored food products, forests, wood products and structures, and fabrics. Many other species, in contrast, are beneficial in the biological suppression of pest arthropods and weeds, as well as in the decomposition of plant detritus, animal carcasses, and dung. Part of our national responsibility to American agriculture is to provide correct identification of species of American beetles so that appropriate controls can be applied.

Most information about animal species, whether agricultural, biological, or experimental, is filed under the species' scientific names. These names are therefore the keys to retrieval of such information. Because some species have been known by several names, a complete listing of these names for each species is necessary.

For the user of scientific names, an up-to-date taxonomic catalog providing currently accepted names and pertinent bibliographic and distributional data is an indispensable tool. Although taxonomic literature is constantly changing to reflect current work, the traditional published taxonomic catalog remains static with updating left to the individual user until it is revised. Production of catalogs in the past has been laborious with long printing delays resulting in data that are obsolete before being published. However, the computer now provides the capability of storing, updating, and retrieving taxonomic data; rapid publication through computer-driven typesetting machinery; and a greater degree of currentness and flexibility.

All the fascicles in this catalog of the beetles of America north of Mexico are produced by an original group of computer programs, designed and written during a pilot project by personnel of the Systematic Entomology Laboratory and the Communication and Data Services Division, Agricultural Research Service.

R. D. Plowman Administrator

Agricultural Research Service

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PREFACE

The Coleoptera, or beetles, are represented in the world by about 220,000 described species, of which about 24,000 occur in the United States and Canada. A comprehensive taxonomic catalog of beetles for this area has not been available except the series of world-based "Coleopterorum Catalogus" volumes (1909-present, Junk, Berlin). The Leng "Catalogue of the Coleoptera of America North of Mexico" (J.D. Sherman, Jr., Mt. Vernon, NY), which was published in 1920 with supplements to the end of 1947, is a checklist. However, it has served professional and amateur alike for nearly 60 years as the principal source of scientific names of beetles. Since 1947, many new taxa have been described and many changes in status and nomenclature have appeared in numerous scattered publications, but little effort has been made to summarize these changes.

This catalog will supplant the Leng catalog and supply additional essential information. It is produced by an original suite of storage, retrieval, and printing programs written especially for automated taxonomic catalogs.

The catalog for each family is published as a separate fascicle with its introductory text, bibliography, and sequence. The publishing of separate fascicles makes data available shortly after they are assembled. Computer tapes for each fascicle are maintained for updating and necessary reprinting.

The information on each family is the responsibility of the respective author or authors. The editors modify it only to correct obvious errors and to make it conform to the requirements of the computer programs.

No original proposal for a new name, taxon, status, or classification is given, such data having been previously published, but new host and distributional data are often listed. The rules of "The International Code of Zoological Nomenclature" are followed.

The geographic scope of this catalog includes the continental United States, Canada, Greenland, and the associated continental islands. Names of taxa found only in other regions are excluded. If the range of a species extends outside these geographic limits, this fact is indicated. On (or inside of) the back cover is a map of the 12 faunal regions based on historical and faunal criteria to simplify distribution recordings. Two-letter Postal Service style abbreviations are used for States and Provinces, and faunal regions are indicated in each distribution record by a diagonal line between groups of abbreviations.

It is not the purpose of this catalog to present a complete scheme of higher classification within the order. The familial makeup is somewhat intermediate between that of R.H. Arnett in "The Beetles of the United States" (1960-62, Catholic University Press, Washington, DC) and that of R.A. Crowson in "The Natural Classification of the Families of Coleoptera" (1967, Biddles Ltd., Guildford, England). Modifications of these two systems are largely those advocated by J.F. Lawrence based in part on suggestions by taxonomic specialists for certain families.

Generic groups and higher categories within the family are arranged phylogenetically as indicated by the author of the particular fascicle, and species group names with their respective synonyms are arranged alphabetically.

Names referable to incertae sedis and nomen dubium are listed separately at the end of the nearest applicable taxon with notations as to their status.

Each available name is followed by its author, date proposed, and page number referring to the complete bibliographic citation containing the original description. Following each generic name are the type-species and method of its designation, necessary explanatory notes, and pertinent references on immature stages, taxonomy, redescription, ecology, and keys. After the specific name entry are the original genus (if different from the

present placement), type-locality, geographical distribution by State, Province, and broad extralimital units, explanatory notes, pertinent references to immature stages, taxonomy, redescription, and ecology, depository of type-specimen and its sex, and hosts.

In addition to the list under the map (on or inside of the back cover) of faunal regions, the following abbreviations are used in this catalog:

ABBREVIATIONS, GENERAL

Amer. Bor.—America Borealis

Amer. Sept.—America Septentrionalis

Automat.—Automatic

C. Amer.—Central America

Co.—County

Cosmop.—Cosmopolitan

Design.—Designated

F.—Female

Holarc.—Holarctic

Isl.—Island

M.—Male

Mex.—Mexico

Monot.—Monotypy

Mus.—Museum

N. Amer.—North America

Orig. des.—Original designation

Preocc.—Preoccupied

S. Amer.—South America

Sp.—Species

Subseq. monot.—Subsequent monotypy

Subsp.—Subspecies

Taut.—Tautonymy

Univ.—University

USA—United States of America

Var.—Variety

W. Ind.—West Indies

MUSEUMS IN THE UNITED STATES AND CANADA¹

AMNH—American Museum of Natural History, New York

ANSP—Academy of Natural Sciences, Philadelphia, PA

BPBM—Bernice P. Bishop Museum, Honolulu

BYUC—Brigham Young University, Provo. UT

CASC—California Academy of Sciences, San Francisco

CISC—University of California, Berkely

CNCI—Canadian National Collections, Ottawa

CUIC-Cornell University, Ithaca, NY

CWOB-C. W. O'Brien Collection, Tallahassee, FL

DHKC—D. H. Kistner Collection, Chico State College, CA

ELSC—E. L. Sleeper Collection, Long Beach, CA

FMNH—Field Museum of Natural History, Chicago, IL

FSCA—Florida State Collection, Gainesville HAHC—H. & A. Howden Collection, Ottawa, Canada

ICCM—Carnegie Museum, Pittsburgh, PA

INHS-Illinois Natural History Survey, Urbana

JGEC-J. G. Edwards Collection, San Jose, CA

KMFC—K. M. Fender Collection, McMinnville, OR

KSUC-Kansas State University, Manhattan

LACM-Los Angeles County Museum, CA

LSUC—Louisiana State University, Baton Rouge

MCZC—Museum of Comparative Zoology,

Harvard University, Cambridge, MA

MSUC—Michigan State University, East Lansing

NCSM—North Carolina State University, Raleigh

NYSM—New York State Museum, Albany

OSEC—Oklahoma State University, Stillwater

OSUC—Okianoma State University, Stillwater OSUC—Ohio State University, Columbus

OSUO—Oregon State University, Corvallis

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¹Abbreviations for U. S. and Canadian museums abridged from Arnett, R. H., Jr., and Samuelson, G. A., 1969, "Directory of Coleoptera Collections of North America (Canada Through Panama)," Cushing-Malloy, Ann Arbor, MI, 123 pp.

PMNH—Peabody Museum, Yale University, New Haven, CT

PSUC—Pennsylvania State Museum, University Park

PURC—Purdue University, West Lafayette, IN

RUIC—Rutgers University, New Brunswick, NJ

SEMC—Snow Museum, University of Kansas, Lawrence

SJSC-San Jose State College, CA

SLWC-S. L. Wood Collection, Provo, UT

SMSH—Stovall Collection, University of Oklahoma, Norman

TAMU—Texas A. & M. University, College Station

UCDC—University of California, Davis

UICM—University of Idaho, Moscow

UMMZ—University of Michigan, Ann Arbor

UMRM—University of Missouri, Columbia

USNM—U.S. National Museum of Natural History, Washington, DC

WSUC-Washington State University, Pullman

MUSEUMS IN FOREIGN COUNTRIES

BMNH—British Museum (Natural History), London

GUHC—Glasgow University, Hunterian College, Scotland

HMOX-Hope Museum, Oxford, England

IPZE—Institut Pflanzenschutzforschung Zweigstelle, Eberswald, East Germany

IRSB—Institut Royal Sciences Belgique, Brussels

MFNB—Museum für Naturkunde (Humboldt), Berlin

MGFT—Museum G. Frey, Tutzing, Munich, West Germany

MHNL—Museum d'Histoire Naturelle, Lyon, France

MNHP—Museum National d'Histoire Naturelle, Paris

MNSL—Museum of Natural Sciences, Leipzig, East Germany

MZBS-Museum Zoologia, Barcelona, Spain

NHRS-Naturhistoriske Riksmuseet, Stockholm

NMPC—Narodni Museum, Prague, Czechoslovakia

SCUT—Spinola College, University of Turin, Italy

SMTD—Staatliches Museum für Tierkunde, Dresden, East Germany

UNAM—Universidad Nacional Autonoma, Mexico City

UZMC—University Zoological Museum, Copenhagen, Denmark

UZMH—University Zoological Museum, Helsinki, Finland

ZMAS—Zoological Museum, Academy of Sciences, Leningrad

ZMPA—Zoological Museum, Polish Academy of Sciences, Warsaw

ZMUL—Zoological Museum, University of Lund, Sweden

ZMUM—Zoological Museum, University of Moscow

ZSBS—Zoologische S a m m l u n g Bayerischen Staates, Munich, West Germany

ACKNOWLEDGMENTS

We are indebted to many individuals who contributed to the planning and development of this catalog. We are especially grateful to the following specialists who helped to make it as complete and accurate as possible: Richard H. Foote, Systematic Entomology Laboratory (SEL), Agricultural Research Service (ARS), for his suggestions, guidance, and encouragement; C. W. Sabrosky, SEL, for valuable counsel on nomenclatural problems; J. F. Lawrence, Division of Entomology, Commonwealth Scientific and Industrial Research Organization, Canberra, Australia, for his recommendations on higher categories; and more than 50 coleopterists in Canada, the United States, and Mexico for voluntarily contributing information about their specialty groups.

We wish to acknowledge the extensive computer-programming and editing-system support provided by members of the former Communications and Data Services Division of ARS during the early years of this project. We also thank Elaine Jamison for the data entry necessary for each fascicle.

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Family ITHYCERIDAE Schoenherr, 1826

By C. W. O'Brien

Ithycerides Schoenherr, 1826; Ithycerides Lacordaire, 1863; "subfamily Ithyceridae" Le-Conte, 1876; Belidae Sharp, 1918; Ithyceridae Morimoto, 1976.

This monobasic family contains the genus *Ithycerus*, which Schoenherr described in 1826 and for which he designated as type-species *Rhynchites noveboracensis* Forster described in 1771. Schoenherr (1826) placed the genus in his Division 8, Ithycerides. LeConte (1876) recognized the subfamily Ithyceridae [sic] for the same genus and species in the Curculionidae. In 1918, Sharp (in error) included the subfamily in the family Belidae, a group known to be only from the southern continents. Crowson (1955) transferred the subfamily to the Apionidae, and Kissinger (1968) followed this. In 1976, Morimoto raised the tribe Ithycerini, subfamily Ithycerinae, to family rank and placed it near the Belidae. Sanborne (1981) treated Ithyceridae as a family near the Brenthidae. Anderson (1991) treated the genus as a member of the subfamily Brachycerinae, family Curculionidae. The final placement of the genus requires further study.

I. noveboracensis (Forster) has been called the "New York weevil," and it is collected most frequently on beech, hickory, and oak. Riley (1871) reported damage to young buds of apple and peach trees. Blatchley and Leng (1916) said that the females oviposit in twigs and tender branches of bur oak and pignut hickory. Sanborne (1981) said that adults are regularly associated with three plant families, e.g., Betulaceae, Juglandaceae, and Fagaceae, but that large numbers of adults occasionally are collected on introduced species of cultivated fruit trees such as apple, plum, and peach (Rosaceae). He also reported that Fagaceae are the preferred hosts, particularly white oak (Quercus alba L.) and American beech (Fagus grandifolia Ehrh.).

This manuscript was received April 1979 and revised November 1993.

Genus ITHYCERUS Schoenherr

Ithycerus Schoenherr, 1826: 55. Type-species: *Rhynchites curculionoides* Herbst (orig. des.) = noveboracensis (Forster).

Pachyrhynchus Kirby, 1837: 203 (preoccupied Germar, 1824). Type-species: Pachyrhynchus schoenherri Kirby (monot.) = noveboracensis (Forster).

Ithusycer (error). (In Laporte, 1840: 291).

Ithusycerus (error). (In Dalla Torre and Voss, 1935: 1).

REDESCRIPTION: Lacordaire, 1863, 406; LeConte and Horn, 1876: 121; Blatchley and Leng, 1916: 92; Kissinger, 1968: 10.

noveboracensis Forster, 1771: 35 (*Curculio*). "Americae septentrionalis provincia noveboracensi"; WI MI ON PQ/ IA MO IL IN OH KY/ NY PA NJ DE MD DC WV VA/ ME NH VT MA RI CT/ TX/ AR AL TN GA SC NC.

COMMON NAME: New York weevil.

punctatulus Fabricius, 1781: 187 (Curculio). America.

curculionoides Herbst, 1797: 136 (Rhynchites). North America.

schoenherri Kirby, 1837: 203 (Pachyrhynchus). "Taken in Canada Also in Georgia?". nova-boracensis (error). (Curculio) (In Smith, 1910: 380).

novoboracensis (error). (Curculio) (In Dalla Torre and Voss, 1935: 1).

IMMATURE STAGES: Sanborne, 1981 (larva, pupa).

REDESCRIPTION: Horn, 1873; Blatchley and Leng, 1916; Bruhn, 1947; Sanders, 1960; Kissinger, 1964 and 1968; Sanborne, 1981.

Ecology: Sanborne, 1981.

Hosr: Feeds on buds of apple and peach; on oak, hickory, and beech; female oviposits in twigs and tender branches of *Quercus macrocarpa* and probably also in those of *Hicoria glabra* (Blatchley and Leng, 1916); larvae develop on roots of white oak and American beech, feeding on the vascular cambium and phloem (Sanborne, 1981).

Anderson, R. S.

Larva and pupa of *Cleonidius erysimi* (Fall) with a discussion of the phylogenetic position of Lixini (sensu Kuschel) (Coleoptera: Curculionidae). Proceedings of the Entomological Society of Washington, vol. 93, no. 2, pp. 288-297, illus.

Blatchley, W. S. and C. W. Leng

1916 Rhynchophora or weevils of north eastern America. The Nature Publishing Company, Indianapolis, 682 pp., illus.

Bruhn, A. F.

The external male genitalia of some Rhynchophora. The Great Basin Naturalist, vol. 8, pp. 1-35, illus.

Crowson, R. A.

The natural classification of the families of Coleoptera. Nathaniel Lloyd and Co., Ltd., London, 187 pp., illus.

Reprinted in 1967 by E. W. Classey, Ltd., Middlesex, England.

Dalla Torre, K. W. von and E. Voss

Subfam. Ithycerinae. *In* Coleopterorum catalogus auspiciis et auxillo W. Junk editus a S. Schenkling. W. Junk, Berlin and 's-Gravenhage [= The Hague], vol. 28, pt. 144, pp. 1-2.

Fabricius, J. C.

Species insectorum exhibentes eorum differentias specificas, synonyma auctorum, loca natalia, metamorphosin adiectis observationibus, descriptionibus. C. E. Bohnii, Hamburgi et Kilonii [= Hamburg and Cologne], vol. 1, iii-viii and 552 pp.

Forster, J. R.

1771 Novae species insectorum. Centuria I. Davies and White, London, viii and 100 pp.

Germar, E. F.

Insectorum species novae aut minus cognitae, descriptionibus illustratae. I. C. Hendelii et filii, Halae [= Halle], xxiv and 624 pp., illus.

Herbst, J. F. W.

Natursystem aller bekannten in- und auslaendischen Insekten, als eine Fortsetzung der von Bueffonschen Naturgeschichte. Pauli, Berlin, vol. 7, 346 pp., illus.

Horn, G. H.

1873 Contributions to a knowledge of the Curculionidae of the United States. Proceedings of the American Philosophical Society, vol. 13, pp. 407-469.

Kirby, W.

The insects, Coleoptera. In J. Richardson, Fauna boreali-Americana; or the zoology of the northern parts of British America, containing descriptions of the objects of natural history collected on the late northern land expeditions, under the command of Captain Sir John Franklin, R. N. Josiah Fletcher, Norwich, pt. 4, xxxix and 325 pp., illus.

Kissinger, D. G.

1964 Curculionidae of America north of Mexico, a key to the genera. Taxonomic Publications, South Lancaster, MA, 143 pp., illus.

Kissinger, D. G.

1968 Curculionidae subfamily Apioninae of North and Central America with reviews of the world genera of Apioninae and world subgenera of Apion Herbst (Coleoptera). Taxonomic Publications, South Lancaster, MA, 559 pp., illus.

ITHYCERIDAE 3

Lacordaire, J. T.

Histoire naturelle des insectes. Genera des coleopteres ou expose methodique et critique de tous les genres proposes jusqu'ici dans cet ordre d'insectes. Roret, Paris, vol. 6, 637 pp.

Laporte, F. L. de (Comte de Castelnau)

Histoire naturelle des insectes coleopteres. P. Dumenil, Paris, vol. 2, 563 pp., illus.

The author is listed as Castelnau on the title page.

LeConte, J. L.

1876 In LeConte and Horn, The Rhynchophora of America north of Mexico. Proceedings of the American Philosophical Society, vol. 15, no. 96, pp. 1-455.

LeConte, J. L. and G. H. Horn

1876 The Rhynchophora of America north of Mexico. Proceedings of the American Philosophical Society, vol. 15, no. 96, pp. 1-455.

Morimoto, K.

Notes on the family characters of Apionidae and Brentidae (Coleoptera), with key to the related families. Kontyu, vol. 44, pp. 469-476, illus.

Riley, C. V.

Third annual report on the noxious, beneficial and other insects, of the state of Missouri, made to the State Board of Agriculture, pursuant to an appropriation for this purpose from the legislature of the state. Jefferson City, MO, 175 and 7 pp., illus.

Sanborne, M.

Biology of *Ithycerus noveboracensis* (Forster) (Coleoptera) and weevil phylogeny. Evolutionary Monographs, vol. 4, pp. 1-80, illus.

Sanders, H. O.

The female genitalia and spermathecae of some of the Rhynchophora. The Great Basin Naturalist, vol. 20, nos. 1 & 2, pp. 1-22, illus.

Schoenherr, C. J.

1826 Curculionidum dispositio methodica cum generum characteribus, descriptionibus atque observationibus variis seu prodromus ad synonymiae insectorum partem IV. F. Fleischer, Lipsiae, pt. 4, 338 pp.

Sharp, D.

1918 Studies in Rhynchophora, VI. "The New York weevil." Journal of the New York Entomological Society, vol. 26, pp. 215–218, illus.

Smith, J. B.

1910 Report of the insects of New Jersey. Annual Report of the New Jersey State Museum, (1909) pp. 377-399.

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Names are indexed as follows: CAPITALS: All names for taxa above the generic level; Boldface: Valid generic and subspeneric names; Roman: Valid specific and subspecific names; Italics: All invalid names such as synonyms, nomina nuda, and extra-limital taxa even though valid.	
The generic name following the author's name indicates the present placement of the species. Synonyms of species-group names are listed with the original spelling.	not Pa pu sch

curculionoides Herbst, Ithycerus
Ithusycer, error
Ithusycerus, error
ITHYCERIDAE
Ithycerus Schoenherr
nova-boracensis, error, Ithycerus
noveboracensis Forster, Ithycerus
novoboracensis, error, İthycerus
Pachyrhynchus Kirby
punctatulus Fabricius, Ithycerus
schoonhorri Kirhy Ithycorus



AB	Alberta	MB	Manitoba	ON	Ontario
ΑK	Alaska	MD	Maryland	OR	Oregon
AL	Alabama	ME	Maine	PA	Pennsylvania
AR	Arkansas	MI	Michigan	PE	Prince Edward Island
ΑZ	Arizona	MN	Minnesota	PM	St. Pierre-Miquelon
вс	British Columbia	MO	Missouri	PQ	Quebec
CA	California	MS	Mississippi	RI	Rhode Island
СО	Colorado	MT	Montana	SC	South Carolina
СТ	Connecticut	NB	New Brunswick	SD	South Dakota
DC	District of Columbia	NC	North Carolina	SK	Saskatchewan
DE	Delaware	ND	North Dakota	TN	Tennessee
FL	Florida	NE	Nebraska	TX	Texas
GA	Georgia	NF	Newfoundland	UT	Utah
GL	Greenland	NH	New Hampshire	VA	Virginia
IA	lowa	NJ	New Jersey	VT	Vermont
ID	Idaho	NM	New Mexico	WA	Washington
IL	Illinois	NS	Nova Scotia	WI	WisconsIn
IN	Indiana	NT	Northwest Territorles	WV	West Virginia
KS	Kansas	NV	Nevada	WY	Wyoming
ΚY	Kentucky	NY	New York	YT	Yukon Territory
LA	Louislana	ОН	Ohio		

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